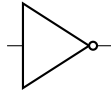


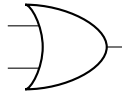
Logic Gates

NOT



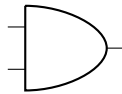
a	\bar{a}
0	1
1	0

OR



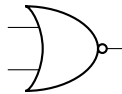
a	b	$a + b$
0	0	0
0	1	1
1	0	1
1	1	1

AND



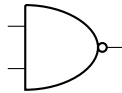
a	b	$a \cdot b$
0	0	0
0	1	0
1	0	0
1	1	1

NOR



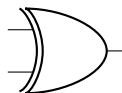
a	b	$\overline{(a + b)}$
0	0	1
0	1	0
1	0	0
1	1	0

NAND



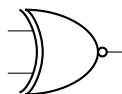
a	b	$\overline{(a \cdot b)}$
0	0	1
0	1	1
1	0	1
1	1	0

XOR



a	b	$a \oplus b$
0	0	0
0	1	1
1	0	1
1	1	0

XNOR



a	b	$a \odot b$
0	0	1
0	1	0
1	0	0
1	1	1